

Exhibit I-2: Air – Questions and Indicators

Outdoor Air Quality

| Question | Indicator Name | Category | Section |
|---|---|----------|---------|
| What is the quality of outdoor air in the United States? (See also following four questions) | Number and percentage of days that metropolitan statistical areas (MSAs) have Air Quality Index (AQI) values greater than 100 | 2 | 1.1.1 |
| – How many people are living in areas with particulate matter and ozone levels above the National Ambient Air Quality Standards (NAAQS)? | Number of people living in areas with air quality levels above the NAAQS for particulate matter (PM) and ozone | 1 | 1.1.1.a |
| – What are the concentrations of some criteria air pollutants: PM _{2.5} , PM ₁₀ , ozone, and lead? | Ambient concentrations of particulate matter: PM _{2.5} and PM ₁₀ | 1 | 1.1.1.b |
| | Ambient concentrations of ozone: 8-hour and 1-hour | 1 | 1.1.1.b |
| | Ambient concentrations of lead | 1 | 1.1.1.b |
| – What are the impacts of air pollution on visibility in national parks and other protected lands? | Visibility | 1 | 1.1.1.c |
| – What are the concentrations of toxic air pollutants in ambient air? | Ambient concentrations of selected air toxics | 2 | 1.1.1.d |
| What contributes to outdoor air pollution? (See also following three questions) | See emissions indicators | | 1.1.2 |
| – What are contributors to particulate matter, ozone, and lead in ambient air? | Emissions: particulate matter (PM _{2.5} and PM ₁₀) sulfur dioxide, nitrogen oxides, and volatile organic compounds | 2 | 1.1.2.a |
| | Lead emissions | 2 | 1.1.2.a |
| – What are contributors to toxic air pollutants in ambient air? | Air toxics emissions | 2 | 1.1.2.b |
| – To what extent is U.S. air quality the result of pollution from other countries, and to what extent does U.S. air pollution affect other countries? | No Category 1 or 2 indicators identified | | 1.1.2.c |
| What human health effects are associated with outdoor air pollution? | No Category 1 or 2 indicators identified Also see Human Health chapter | | 1.1.3 |
| What ecological effects are associated with outdoor air pollution? | No Category 1 or 2 indicators identified Also see Ecological Condition chapter | | 1.1.4 |

Acid Deposition

| Question | Indicator Name | Category | Section |
|---|---|----------|---------|
| What are the deposition rates of pollutants that cause acid rain? | Deposition: wet sulfate and wet nitrogen | 2 | 1.2.1 |
| What are the emissions of pollutants that form acid rain? | Emissions (utility): sulfur dioxide and nitrogen oxides | 2 | 1.2.2 |
| What ecological effects are associated with acid deposition? | No Category 1 or 2 indicators identified Also see Ecological Condition chapter | | 1.2.3 |

Indoor Air Quality

| Question | Indicator Name | Category | Section |
|---|---|----------|---------|
| What is the quality of the air in buildings in the United States? | U.S. homes above EPA's radon action levels | 2 | 1.3.1 |
| | Percentage of homes where young children are exposed to environmental tobacco smoke | 2 | 1.3.1 |
| What contributes to indoor air pollution? | No Category 1 or 2 indicators identified Also see Human Health chapter | | 1.3.2 |
| What human health effects are associated with indoor air pollution? | No Category 1 or 2 indicators identified Also see Human Health chapter | | 1.3.3 |

Stratospheric Ozone

| Question | Indicator Name | Category | Section |
|--|--|----------|---------|
| What are the trends in the Earth's ozone layer? | Ozone levels over North America | 1 | 1.4.1 |
| What is causing changes to the ozone layer? | Worldwide and U.S. production of ozone-depleting substances (ODSs) | 2 | 1.4.2 |
| | Concentrations of ozone-depleting substances (effective equivalent chlorine) | 2 | 1.4.2 |
| What human health effects are associated with stratospheric ozone depletion? | No Category 1 or 2 indicators identified | | 1.4.3 |
| What ecological effects are associated with stratospheric ozone depletion? | No Category 1 or 2 indicators identified | | 1.4.4 |